

APR 1 8 2001

TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/187,693

DATE: 04/10/2001 TIME: 12:27:20

Input Set : A:\C420CIP2SL.TXT

Output Set: N:\CRF3\04102001\I187693.raw



			(0.1.1.0.1.0.1.0.1.1.1.1.1.1.1.1.1.1.1.1			K *
4	<110>	APPLICANT: Jakobovits	, Aya			V
5		Yang, Xiao-Dong	. •			
6		Gallo, Michael				
7		Jia, Xiao-Chi				_
9	<120>	TITLE OF INVENTION: H	uman Monoclonal	Antibodies	to Epidermal	~ED
10		Growth Factor Recepto	r			
13	<130>	FILE REFERENCE: Cell	4.20 CIP2			ENIF
15	<140>	CURRENT APPLICATION N	UMBER: 09/187,69	3		ENTERED
16	<141>	CURRENT FILING DATE:	1998-11-05			
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21	<150>	PRIOR APPLICATION NUM	BER: 08/851,362			
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		ORGANISM: human				
		SEQUENCE: 2				
		ggag tagagtcctg agga				24
		SEQ ID NO: 3				
		LENGTH: 294				
		TYPE: DNA				
		DRGANISM: human				
		SEQUENCE: 3				60
	-	ggtg gctccatcaa cagtg			-	60 120
		ggcc tggactgcat tgggt			-	180
		aaga gtogagttac catat totg tgactgoogo ggaca				240
	_	ggt ggttegaeee etggg				294
	_	SEQ ID NO: 4	godar ggaaccorgg	teacegiete	CLCa	234
		LENGTH: 264				
		CYPE: DNA				
		ORGANISM: human				
		SEOUENCE: 4				
		actt gccaggcgag tcagg	acatt aacaactatt	taaattggtt	tcagcagaaa	60
		aaag cocctaaggt cotga				120
		tca gtggaagtgg atctg				180
		gaca tigcaacata ttatt		_		240
	_	icca aggtggagat caaa	,	J = = = = = = = = = = = = = = = = = = =		264

RAW SEQUENCE LISTING DATE: 04/10/2001 PATENT APPLICATION: US/09/187,693 TIME: 12:27:20

Input Set : A:\C420CIP2SL.TXT

Output Set: N:\CRF3\04102001\I187693.raw

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69 <211> LENGTH: 291
70 <212> TYPE: DNA
71 <213> ORGANISM: human
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                                                                           60
75 gggaagggcc tggagtggat tgggtccatc tattacagtg ggaacacctt ctacaacccg
                                                                          120
76 teceteaaga gtegagttae catateacta gacaegteta agaaceagtt eteeetgaag
                                                                          180
77 ctgagttctg tgactgccgc ggacacggcc gtgtgttact gtgcgagaaa tatagtgact
                                                                          240
78 acgggtgctt ttgatatctg gggccaaggg acaatggtca ccgtctcttc a
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81 <211> LENGTH: 264
82 <212> TYPE: DNA
83 <213> ORGANISM: human
85 <400> SEQUENCE: 6
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                                                                           60
87 ccagggaaag cccctaagct cctgatcaac gacgcatcca gtttggaaac aggggtccca
                                                                          120
88 ttaaggttca gtggaagtgg atctgggaca gattttactt tcaccatcag cagcctgcag
                                                                          180
89 cetgaagata ttgcaacata ttactgtcaa cagtatgate ateteceget caetttegge
                                                                          240
90 ggcgggacca aggtggcgat caaa
                                                                          264
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 288
94 <212> TYPE: DNA
95 <213> ORGANISM: human
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99 gggaagggcc tggagtggat tgggtacatc tattacagtg ggaacaccta ctacaacccg
                                                                          120
100 teceteaaga gtegagttte catgteaata gacaegtetg agaaceagtt eteeetgaag
                                                                           180
101 ctgagetetg tgactgeege ggacaeggee gtgtattaet gtgegagaaa accagtgaet
                                                                           240
102 gggggggagg actactgggg ccagggaacc ctggtcaccg tctcctca
                                                                           288
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 262
106 <212> TYPE: DNA
107 <213> ORGANISM: human
109 <400> SEQUENCE: 8
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                                                                            60
111 ccagggaaag ccctaagctc ctgatctacg atgcttccaa tttggaaaca ggggtcccat
                                                                           120
112 caaggttcag tggagtggat ctgggacaga ttttactttc accatcagca gcctgcagcc
                                                                           180
113 tgaagatgtt ggaacatatg tetgteaaca gtatgagagt etecegtgeg gttttggeea
                                                                           240
114 ggggaccaaa ctggagatca aa
                                                                           262
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 291
118 <212> TYPE: DNA
119 <213> ORGANISM: human
121 <220> FEATURE:
122 <221> NAME/KEY: misc_feature
123 <222> LOCATION: (1)...(291)
124 <223> OTHER INFORMATION: n = A, T, C or G
126 <400> SEQUENCE: 9
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Input Set : A:\C420CIP2SL.TXT
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	127	gtctctggtg gctccatcaa	cagtggtgat	ttctactgga	gctggatccg	ccaacaccca	60		
	128	gggaagggcc tggagtggat	tgggtacatc	tattacagtg	ggagcaccta	ctacaacccg	120		
	129	tccctcaaga gtcgagttac	catgtcaata	gacccgtcta	agaaccagtt	ctccctgaaa	180		
M>	130	ctgatctctg tgactgccgc	ggacacggcc	gtttattact	gtgcgacntc	cctttactat	240		
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	135	<212> TYPE: DNA							
	136	<213> ORGANISM: human							
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	139	<221> NAME/KEY: misc_:	feature						
		<222> LOCATION: (1)(264)							
	141 <223> OTHER INFORMATION: n = A,T,C or G								
	143	<400> SEQUENCE: 10							
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W>	145	cengggaacg cecetaaact	cctgatctac	gatgcatcca	atttggaaac	aggggtccca	120		
	146	tcaaggttca gtggaagtgg	atctgggaca	gattttactt	tcaccatcaa	cagcctgcag	180		
		cctgaagata ttgcgacata					240		
W>	148	caagggacca aggtggaant	caaa	_			264		
	150	<210> SEQ ID NO: 11							
	151	<211> LENGTH: 291							
	152	<212> TYPE: DNA							
	153	<213> ORGANISM: human							
	155	<400> SEQUENCE: 11							
	156	gtctctggtg gctccatcaa	caatggtgat	tactactgga	gctggatccg	ccagcaccca	60		
		gggaagggcc tggagtggat				-	120		
	158	tccctcaaga gtcgaactac	catatcagta	gacacgtcta	agaaccagtt	ctccctgaag	180		
		ctgaactctg tgactgccgc	_	-		-	240		
	160	acgtactact ttgactactg	gggccaggga	accctggtca	ccgtctcctc	a	291		
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	169	ccagggaaag cccctaagct	cctgatctat	gctgcatcca	gtttgcaaag	tggggtccca	120		
	170	tcaaggttca gtggcagtgg	atctgggaca	gatttcactc	tcaccatcag	cagtctgcaa	180		
	171	cctgaagatt ttgcaactta	ctactgtcaa	cagggttaca	gaacccctcc	ggagtgcagt	240		
	172	tttggccagg ggaccaagct	ggagatcaaa				270		
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	176	<212> TYPE: DNA							
	177	<213> ORGANISM: human							
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	181	gggaagggac tggagtggat	tggacatctc	tattacagtg	ggaacaccaa	ctacaacccc	120		
	182	tccctcaaga gtcgagtcac	catatcatta	gacacgtcca	agaaccagtt	ctccctgaag	180		
	183	ctgagctctg tgaccgctgc	ggacacggcc	gtgtattact	gtgcgagaga	ttttttgact	240		
	184	ggttccttct ttgactactg	gggccaggga	accctggtca	ccgtctcctc	a	291		



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Input Set : A:\C420CIP2SL.TXT

Output Set: N:\CRF3\04102001\I187693.raw

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	189	<213> ORGANISM: human				
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		ccagggaaag cccctaagct cctgatcaa	_			120
		tcaaggatca gtggaagtgg atctgggad				180
		cctgaagata ttgcaacata ttactgtca	-	_	-	240
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		<212> TYPE: DNA				
		<213> ORGANISM: human				
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		gggaagggac tggagtggat tgggtatat				120
		teceteaaga gtegagteae catateagt		_		180
		ctgagetetg tgacegetge ggacaegge			ctccatactg	240
		ggagctacca actactgggg ccagggaad	cc ctggtcaccg	tctcctca		288
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	211	<211> LENGTH: 264				
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	213	<213> ORGANISM: human				
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	218 <223> OTHER INFORMATION: n = A,T,C or G					
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		ccagggaaag cccctaaast cctgatcto				120
W>		tcgaggttca gtggaagtgg atctgggad		_		180
		cctgaagata ttgcnacata tcactgtc	_	_		240
		ggagggacca aggtagagat caaa	,	33		264
		<210> SEQ ID NO: 17				
		<211> LENGTH: 288				
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		gggaagggac tggagtggat tggacacat				120
		tccctcaaga gtcgactcac catatcaat				180
		ctgagttctg tgaccgctgc ggacacggc		-		240
		ggtgcttttg atatctgggg ccaagggac			cogagagaca	288
		<210> SEQ ID NO: 18	a atygically	cococca		200
		<211> SEQ 1D NO: 18 <211> LENGTH: 264				
		<211> LENGIH: 264 <212> TYPE: DNA				
		<212> TIPE: DNA <213> ORGANISM: human				
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DATE: 04/10/2001

TIME: 12:27:21

Input Set : A:\C420CIP2SL.TXT Output Set: N:\CRF3\04102001\I187693.raw 60 245 accatcactt gccaggcgag tcaggacatc agcaactatt taaattggta tcagcagaaa 246 ccagggaaag cccctaaact cctgatctac gatgcatcca atttggaaac aggggtccca 120 247 tcaaggttca gtggaagtgg atctgggaca gattttactt tcaccatcag cagcctgcag 180 248 cctgaagata ttgcaacata tttctgtcaa cactttgatc atctcccgct cgctttcggc 240 249 ggagggacca aggtggagat caaa 264 251 <210> SEQ ID NO: 19 252 <211> LENGTH: 480 253 <212> TYPE: DNA 254 <213> ORGANISM: human 256 <220> FEATURE: 257 <221> NAME/KEY: misc_feature 258 <222> LOCATION: (1)...(480) 259 <223> OTHER INFORMATION: n = A, T, C or G 261 <400> SEQUENCE: 19 W--> 262 gcgatccage ettttaggte catgeentte teetgtgnag egtetggatt eccetteagt 60 W--> 263 agntntggca tgcactgggt ccgccaggct ccaggcaagg ggctggagtg ggtggcagtt 120 180 264 atatggtatg atggaagtaa taaatactat gcagactccg tgaagggccg attcaccatc 265 tocagagaca attocaagaa cacgotgtat otgoaaatga acagactgag agoogaggac 240 266 acggctgtgt attactgtgc gagatttttg gagtggttac cctttgacta ctggggccag 300 W--> 267 ggaaccetgg teacegtetn eteagactee accaagggee categgtett enceetggeg 360 W--> 268 ccctgcttcc aggagcaccc tenganagca cananggccc etgggactgn etgntacaag 420 W--> 269 gactnettte cetenaacen ggtgaeentn tentgggaaa eteagngene ntetnnatna 480 271 <210> SEQ ID NO: 20 272 <211> LENGTH: 490 273 <212> TYPE: DNA 274 <213> ORGANISM: human 276 <220> FEATURE: 277 <221> NAME/KEY: misc_feature 278 <222> LOCATION: (1)...(490) 279 <223> OTHER INFORMATION: n = A, T, C or G 281 <400> SEQUENCE: 20 W--> 282 cggaaccttt nggttcgcnc cttttggagn cagacccanc atcacttgtc gggcgagtca 60 283 gggcattage aattittiag cetggttica geagaaacea gggatageee etaagteeet 120 284 gatetatget geatecaett tgcaaagtgg ggteecatea aagtteaeeg geagtggata 180 285 tgggacagat ttcactctca ccatcagcag cctgcagcct gaagactttg caacttatta 240 286 ttgtcaacaa tataatgttt acccattcac tttcggccct gggaccaaag tggatatcaa 300 360 287 acgaactgtg gctgcaccat ctgtcttcat cttcccgcca tctgatgagc aagttgaaat 420 288 ctggaactgc ctctgttgtg tgcctgctga ataacttcta tcccagagag gccaaagtac W--> 289 agtggaaggt ggataacgcc ncnnttggcg gnntcctttc nctcncccnt cctcnncccn 480 W--> 290 cctctcncna 490 292 <210> SEQ ID NO: 21 293 <211> LENGTH: 449 294 <212> TYPE: DNA 295 <213> ORGANISM: human 297 <220> FEATURE: 298 <221> NAME/KEY: misc_feature 299 <222> LOCATION: (1)...(449) 300 <223> OTHER INFORMATION: n = A, T, C or G 302 <400> SEQUENCE: 21

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/187,693

FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a c rresp nding explanation is presented in the <220> to <223> fields of each sequence which pr sents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 04/10/2001 PATENT APPLICATION: US/09/187,693 TIME: 12:27:22

Input Set : A:\C420CIP2SL.TXT

Output Set: N:\CRF3\04102001\I187693.raw

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L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L\!:\!221~M\!:\!341~W\!: (46) "n" or "Xaa" used, for SEQ ID#:16
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
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L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
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L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
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L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
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L:468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L\!:\!507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/187,693

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Input Set : A:\C420CIP2SL.TXT

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L:528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34